GOVERNMENT OF INDIA
NON-CONVENTIONAL ENERGY SOURCES
LOK SABHA

UNSTARRED QUESTION NO:2953
ANSWERED ON:10.08.2000
PROMOTION OF NON-CONVENTIONAL ENERGY SOURCES
DINSHA J. PATEL

Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) the details of the schemes implemented by the Government to promote non-conventional energy sources in the States during the Ninth Plan period together with allocation;

(b) the details of the schemes implemented in Gujarat together with financial allocation during the first three years of the Ninth Plan;

(c) the details of schemes proposed to be implemented during the next two years of the Ninth Plan; and

(d) the details of the proposed allocation made for the purpose?

Answer

MINISTER OF STATE FOR NON-CONVENTIONAL ENERGY SOURCES (INDEPENDENT CHARGE), (SHRI M. KANNAPPAN)

(a): Wide-ranging non-conventional energy programmes / schemes in areas such as biogas, solar energy, wind energy, biomass and small hydro power, are being implemented throughout the country. Details of various programmes / schemes, together with financial allocations for the Ninth Plan period, are given in Table-I.

(b): The status of various programmes/ schemes implemented, and funds released, during the first three years of the Ninth Plan in the State of Gujarat, are given in Table-II.

(c)&(d): All the existing schemes / programmes are proposed to be continued during the remaining period of the Ninth Plan throughout the country, including in the State of Gujarat. The details of programme-wise financial allocations and physical targets set for 2000-01 are given in Table-III. Allocations and physical targets for 2001-02 have not yet been finalized.
Table-I referred to in reply to Part- (a) of the Lok Sabha Unstarred Question No.2953 to be answeredon 10.8.2000 regarding promotion of non-conventional energy sources.
DETAILS OF PROGRAMMES/SCHEMES BEING IMPLEMENTED, ALONGWITH BUDGETARY
ALLOCATIONS, DURING 9TH PLAN PERIOD

Sl.No.	Programmes/Schemes	FINANCIAL 9th Plan Allocations (Rs. in crores)	Physical 9th Plan Physical Targets
1	Biogas	286.00	10 Lakhs
2	Community/Institutional/Night-soil based Biogas Plants	30.00	800 Nos.
3	Improved chulha	84.00	150 Lakhs
4	Biomass/ Gasifier	25.00	40 MW
5	Integrated Rural Energy Programme (IREP)	53.00	660 (Old Blocks) 200 (New Blocks)
6	Solar Photovoltaic (SPV) Programme	219.00	
	SPV Home Light		2 Lakhs
	SPV Lanterns		3 Lakhs
	SPV Power Plants		1.6 MW
7	SPV Pumps	46.50	4000 Nos.
8	SPV Research & Development	25.00	
9	Solar Thermal (ST) Energy	34.00	
	Solar Water Heating Systems (M.sq. collector area)		1.5 Lakh
	Solar Cooker		1.5 Lakh Nos.
10	Wind Pumps & Hybrid Systems	8.00	1000 Nos.
	250 kW		
11	Wind power	63.00	1000 MW
12	Small Hydro Power (SHP)	187.00	
	(SHP)		130 MW
	(Water Mills)		700 Nos.
	(Repair & Maintenance)		65 MW
13	Biomass Power	226.00	314 MW

14 Solar Power 63.00 141.5 MW
15 Urban & Industrial & National Bio-energy Board 62.00 42 MW
16 Research &Development and other support activities 150.64
MW = Mega Watt; kW = Kilo Watt; M.sq. = Meter Square Collector Area
17 Indian Renewable Energy Development Agency Ltd.
a Equity 250.00
b Technology Commercial Funds 10.00
Total Domestic Budgetary Source (DBS) 1822.14
18 Externally Aided Projects (EAP) 300.00
TOTAL Gross Budgetary Sources (GBS) 2122.14
19 Internal and Extra Budgetary Resources (IEBR) 1678.00
Total outlay 3800.14

Table-II referred to in reply to part (b) of Lok Sabha Unstarred Question No.2953 to be answered on 10-8-2000 regarding Promotion of Non-Conventional Energy Sources.

Status of various programmes/ schemes implemented, and funds released during the first three years i.e. 1997-98, 1998-99, 1999-2000 of the Ninth Plan, in the State of Gujarat.

S.No.	Schemes/Programme	Physical Progress	Funds released (Rs. in crores)
1.	Biogas Plants	32,333 Nos.	11.04
2.	Community/Institutional Night-soil-based Plants	26 Nos.	0.26
3.	Improved Chulhas	2.56 lakhs Nos.	10.03
4.	Energy Parks	4 Nos.	0.08
5.	Wind Power	20 MW	0.54
6.	Biomass Power	0.5 MW	0.20
7.	Biomass Gasifiers	650 kW	0.03
8.	Solar Photovoltaics		1.93
	i. Solar Lanterns	2212 Nos.	
	ii. Home Lighting Systems	7000 Nos.	
	iii. Street Lighting Systems	3350 Nos.	
9.	Pumping Systems		
	(a) SPV Pumping	3 Nos.	0.37
	(b) Water Pumping Windmills	149 Nos.	
10.	Waste to Energy (MW)	2 MW	2.22

Details of programme-wise financial allocations and physical targets set for 2000-01.

Sl. No.	Programme	Budget Estimates	Physical Targets 2000-2001

1 Biogas 62.00 1,80,000 Nos.
Community/Institutional/Night-soil based Biogas Plants 7.00 400 Nos.
2 Improved chulha 21.00 25 Lakh in Nos.
3 Biomass/ Gasifier 5.20 7 MW
4 Integrated Rural Energy Programme (IREP) 9.00
5 Epecial Area Demonstration Park (SADP) 1.50 36 Nos.
6 Solar Photovoltaic (SPV) Programme 52.00
SPV Home Light 50000 Nos.
SPV Lanterns 70000 Nos.
Street Lighting Systems 3000 Nos.
SPV Power Plants & other systems 275 kWp
7 SPV Pumps 9.50 700 Nos.
8 SPV R&D 3.00
9 Solar Thermal (ST) Energy 4.00
Solar water Heating Sys. Domestic 35000 M.sq. collector area
Solar Cooker 35000 Nos.
10 Solar Energy Centre 2.00
11 Wind Pumps and Hybrid Systems 1.50 200 Nos.
60 kW
12 Wind power 12.00 200 MW
13 Small Hydro Power (SHP) 34.00 40 MW
R&M 20 MW
Water Mills 200 Nos.
14 Biomass Power 34.80 60 MW
16 Solar Power 8.00 300 kW
17 Urban & Industrial & National Bio-energy Board 20.00 10 MW
18 Research & Development and other support activities 22.16
MW = Mega Watt; kW = Kilo Watt; M.sq.= Meter Square Collector Area